

Claims:

- 1           1.     A device for removably mounting a hard disk drive in a memory  
2                     storage housing, comprising:  
3                     a carrier for holding a hard disk drive, the carrier being removably  
4 mountable in a memory storage device housing; and  
5                     a heat sink mounted on the carrier.
  
- 1           2.     A device as set forth in Claim 1, wherein the carrier includes a face  
2 and a fan mounted on the face of the carrier.
  
- 1           3.     A device as set forth in Claim 2, wherein the carrier includes an air  
2 filter mounted on the face to filter air.
  
- 1           4.     A device as set forth in Claim 3, wherein the carrier includes an air  
2 filter cover removably mounted on the face to facilitate removal and replacement  
3 of the air filter.
  
- 1           5.     A device as set forth in Claim 1, wherein the carrier includes lateral  
2 rails that slidably mount the carrier in the memory storage housing.
  
- 1           6.     A device as set forth in Claim 1, wherein the carrier includes a face  
2 and a handle mounted on the face of the carrier.
  
- 1           7.     A device for removably mounting a hard disk drive in a memory  
2                     storage housing, comprising:  
3                     a carrier for holding a hard disk drive, the carrier being removably  
4 mountable in a memory storage device housing; and  
5                     fins mounted on the carrier.

1           8.     A device as set forth in Claim 7, wherein the heat sink includes  
2     fins, the carrier includes a face and a fan mounted on the face of the carrier, the  
3     fins align with respect to the fan to optimize convective cooling.

1           9.     A device as set forth in Claim 8, wherein the carrier includes an air  
2     filter mounted on the face to filter air.

1           10.    A device as set forth in Claim 9, wherein the carrier includes an air  
2     filter cover removably mounted on the face to facilitate removal and replacement  
3     of the air filter.

1           11.    A device as set forth in Claim 10, wherein the carrier includes  
2     lateral rails that slidably mount the carrier in the memory storage housing.

1           12.    A device as set forth in Claim 11, wherein the carrier includes a  
2     face and a handle mounted on the face of the carrier.

1           13.    A device for removably mounting a hard disk drive in a memory  
2                   storage housing, comprising:  
3           a carrier for holding a hard disk drive, the carrier being removably  
4     mountable in a memory storage device housing; and  
5           a heat sink slidably mounted on the carrier.